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IN THE US PATENT AND TRADEMARK OFFICE

Applicants: George D. CHANDLEY et al.

January 27, 2004

For: TITANIUM ALUMINIDE MATERIAL RESISTANT TO
MOLTEN ALUMINUM

Serial No.: 09/740 708

Group: 1742

Filed: Dec. 19, 2000

Examiner: Combs

Confirmation No. 5022

Mail Stop AF

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

RESPONSE TO OFFICE ACTION UNDER 37 CFR 1.116

Dear Sir:

Please amend the above application as follows:

IN THE CLAIMS:

1-9. (Withdrawn)

10. (Previously presented) A method of increasing the service life of a titanium aluminide alloy in contact with a molten metallic material comprising aluminum, comprising including in the titanium aluminide alloy a rare earth element in an effective amount to prolong resistance to attack of the alloy by the molten metallic material and contacting the alloy with the molten metallic material.